

CLAIM AMENDMENTS

1. (currently amended) An electric motor for powering downhole tools in a wellbore, the motor comprising:

~~impermeable~~ and coaxial inner and outer tubes in contact with wellbore fluids and forming an axially extending annular space sealed from the wellbore fluids, the inner tube being impermeable;

a stator having in the space a series of coiled windings and laminations connectable to a power supply;

a rotor connectable to a rotatable device, forming an axially throughgoing flowpath-forming passage, and including a permanent magnet in the inner tube in contact with the wellbore fluids, the permanent magnet of the rotor and the laminations of the stator being arranged annularly with respect to each other; and

a potting material in the space and impervious to wellbore fluids, the laminations and coil windings being potted in the material.

2. (original) An electric motor according to claim 1, wherein the potting material is introduced under a vacuum.

3. (previously presented) An electric motor according to claim 1, further comprising

a motor housing which confines the potting material.

1 4. (previously presented) An electric motor according
2 to claim 1, further comprising
3 wiring that exits from the potted material through a
4 metal clad tube, onto which an O ring seal can be used.

1 5. (original) An electric motor assembly comprising two
2 or more electric motors according to claim 1 secured in series.

1 6. (original) An electric motor assembly according to
2 claim 5, wherein the two or more electric motors are secured
3 together before the potting material is introduced.